

Figure 1

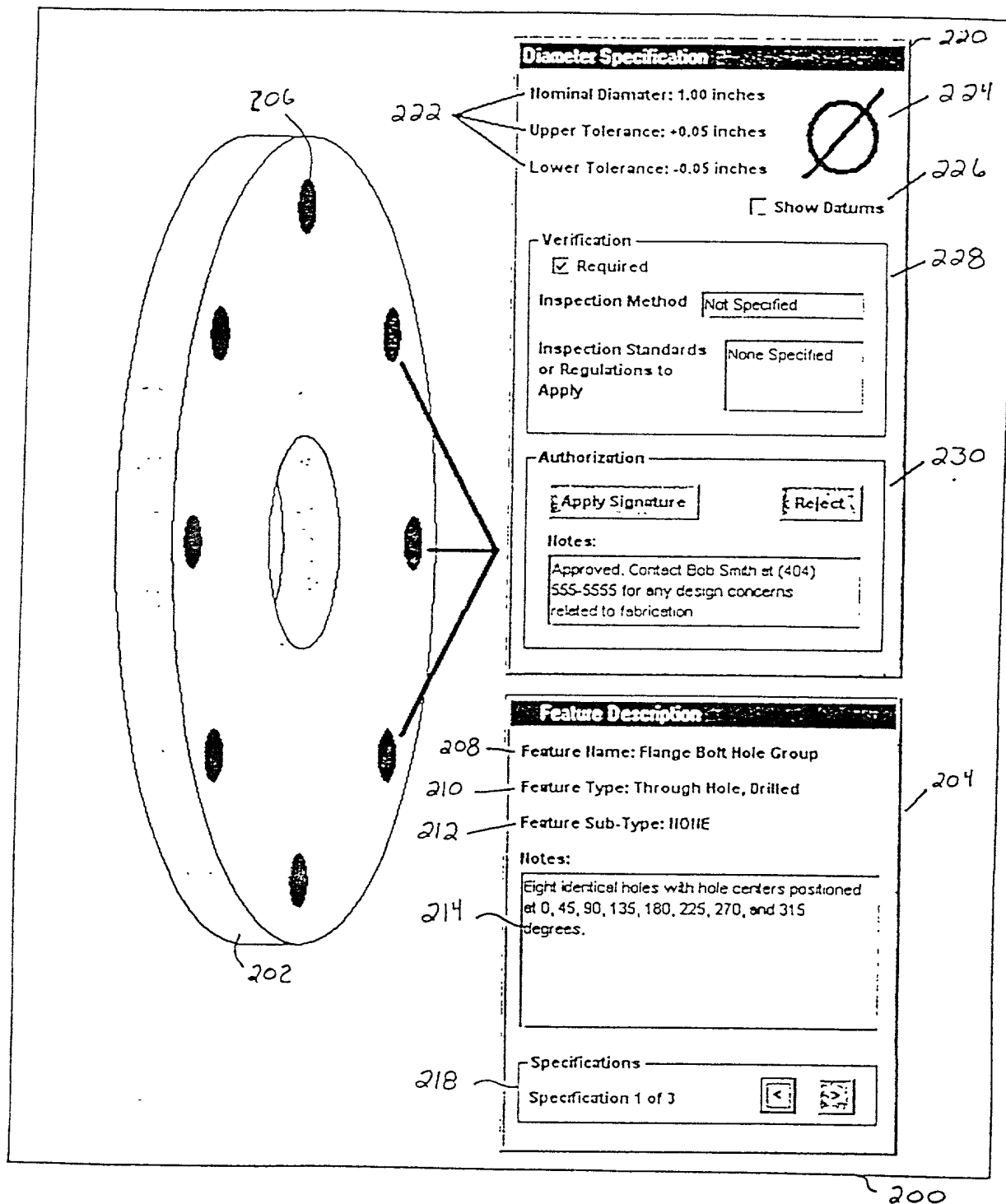


Fig. 2

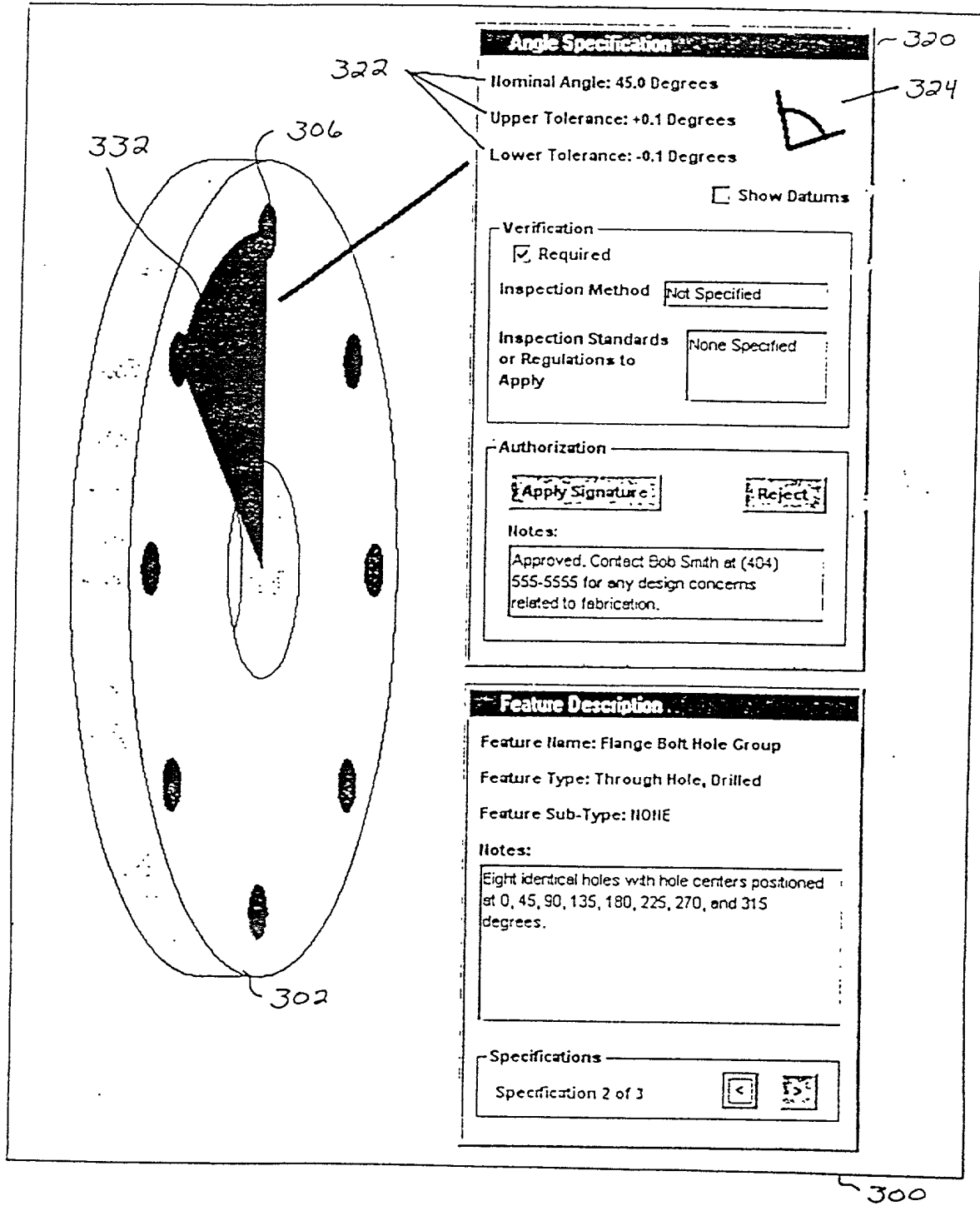


Fig. 3

1006350-030102

420

422

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Linear Measure Specification

Nominal Distance: 10.00 inches
Upper Tolerance: +0.05 inches
Lower Tolerance: -0.05 inches

☐ Show Datums

Verification

☒ Required

Inspection Method: Not Specified

Inspection Standards or Regulations to Apply: None Specified

Authorization

Notes:

Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Feature Description

Feature Name: Flange Bolt Hole Group

Feature Type: Through Hole, Drilled

Feature Sub-Type: H011E

Notes:

Eight identical holes with hole centers positioned at 0, 45, 90, 135, 180, 225, 270, and 315 degrees.

Specifications

Specification 3 of 3

400

Fig. 4

1003550.030400

Final Approval

All individual specifications have been approved. By pressing the Apply Signature button, you are acknowledging that this design is ready for fabrication.

Notes:

Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Fig. 5

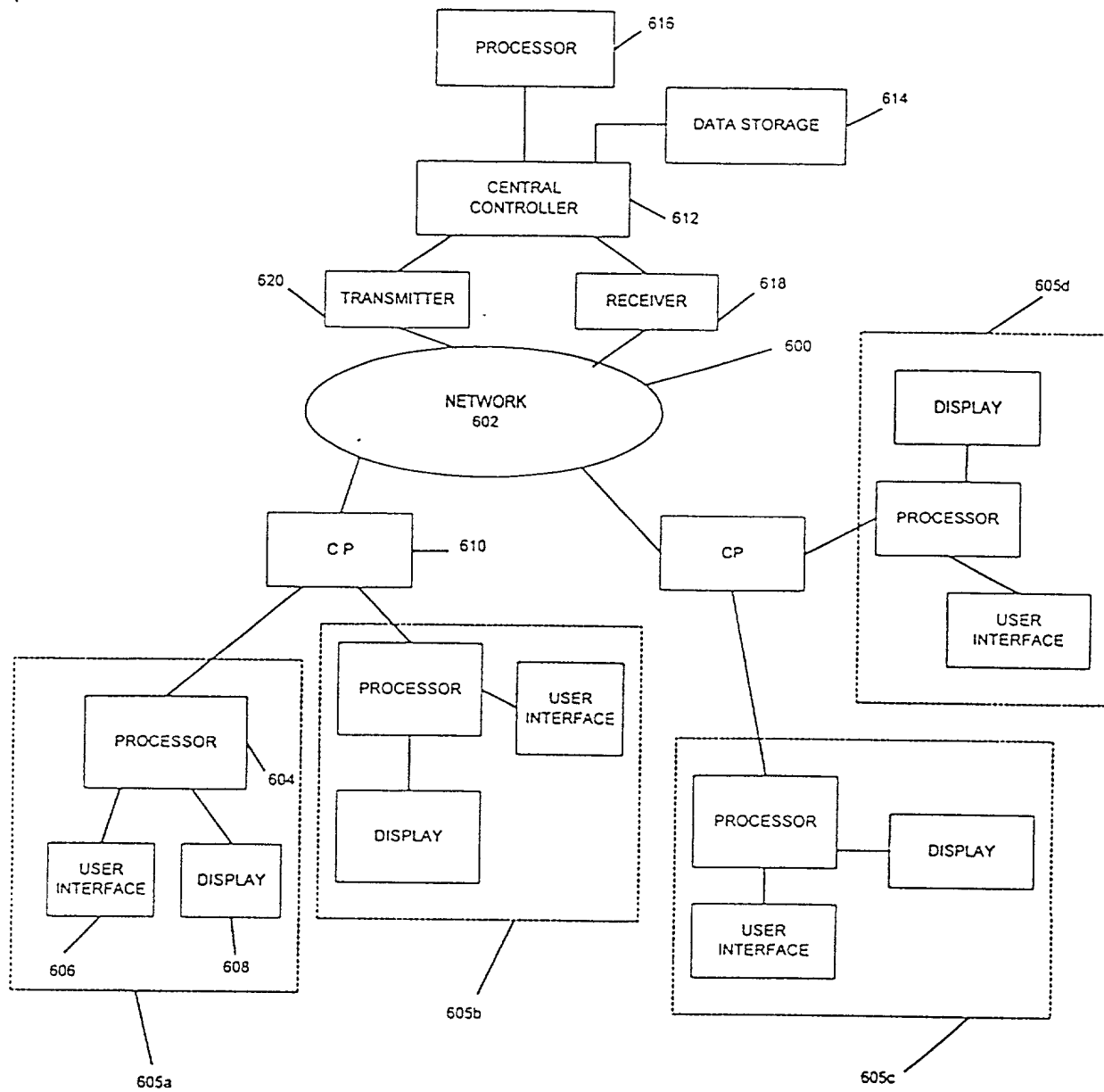


FIG. 6

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Design Definitions

Main Connector Bracket

Fabrication Agreement

Item Definitions

Graphical Entities

Datum

Global Specifications

Global Attributes

Design Feature

Surface, Flat, Machined and Finished

Surface, Flat, Machined and Finished

Surface, Curved, Extruded Profile, Machined and Finished

Surface, Flat, As Machined

Hole, Through All, With Countersink

Outside Round, Quarter Circular Radius

Filet, Quarter Circular Radius

Bracket Receiver

Locking Pin

Design Definition

Contacts

Drawing Company

Name

Main Connector Bracket

Description

Main connector bracket for side rail. To be machined from a solid block of 6061-T6 Aluminum in lots of 100 as specified in this Design Definition. Responsibilities are assigned herein.

Find Approval Signature

☐ [CANNOT SIGN]

By checking the box above, you are acknowledging that all parts of this Design Definition have been thoroughly reviewed by competent and authoritative personnel and that manufacturing can commence.

[UNSIGNED]

Notes

Send a mail acknowledgment when vendor begins fabrication of first lot.

700

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Figure 7

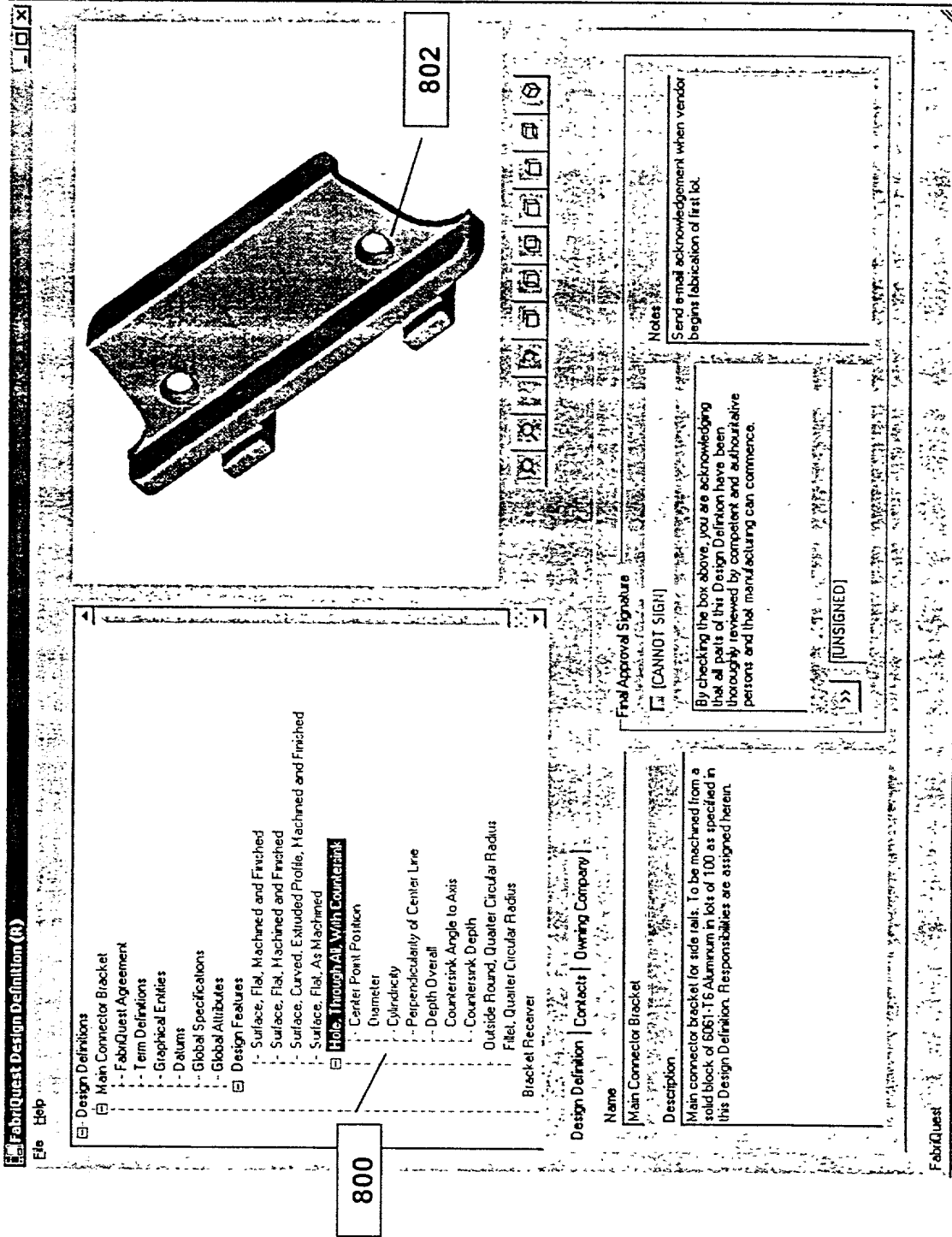


Figure 8

File Help Test
FabriQuest Design Definition (R)

☒ Design Definitions

☒ Main Connector Bracket

☐ FabriQuest Agreement

☐ Term Definitions

☐ Graphical Entities

☐ Datum

☐ Global Specifications

☐ Global Attributes

☐ Design Features

☐ Surface, Flat, Machined and Finished

☐ Surface, Flat, Machined and Finished

☐ Surface, Curved, Extruded Profile, Machined and Finished

☐ Surface, Flat, As Machined

☒ Hole, Through All With Countersink

☐ Center Point Position

☐ Diameter

☐ Cylindricity

☐ Perpendicularity of Center Line

☐ Depth Overall

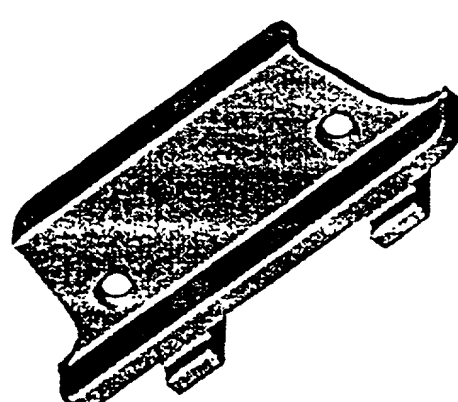
☐ Countersink Angle to Axis

☐ Countersink Depth

☐ Outside Round, Quarter Circular Radius

☐ Fillet, Quarter Circular Radius

☐ Bracket Receiver



Design Definition

Name

Main Connector Bracket

Description

Main connector bracket for side rails. To be machined from a solid block of 6061-T6 Aluminum in lots of 100 as specified in this Design Definition. Responsibilities are assigned herein.

Design Definition Approved for Manufacture

☒ Design Definition Approved for Manufacture
 By checking the box above, you are acknowledging that all parts of this Design Definition have been thoroughly reviewed by competent and authoritative persons and that manufacturing can commence.

Final Approval Signature

By John Doe, 12/05/01

Notes

Send e-mail acknowledgement when vendor begins fabrication of first lot.

Notes

Figure 9

1000 Feature Specification: Countersink Angle

1002 Specification Detail | Instructions | Descriptive Images | Link Definition

Specification Type: Countersink Angle to Axis
 Specification Description:
 Defines the angle between the conical surface cut as a countersink and centeline axis of the cylindrical hole with which the countersink is associated.

1006 Signature

☐ UNSIGNED (COMPONENTS NOT SIGNED)
By checking the box above, you are acknowledging that this feature specification is described correctly and meets all design quality assurance standards established by the owner of this Design Definition.

1004 Responsible Person

Jane Smith

1008 Signature

☐ UNSIGNED

1010 Status of Signatures

Signature Component	Signed By
Feature Specification: Overall Specification	[UNSIGNED]
Descriptive Images: Countersink Side View	Robert Jones, 12/01/2001
Descriptive Images: Countersink Top View	Robert Jones, 12/03/2001
Instructions: Pre-Fabrication Setup	Sally Thomas, 12/02/2001
Instructions: Fabrication Method	[UNSIGNED]
Instructions: Post-Fabrication Inspection	Sally Thomas, 12/05/2001
Instructions/Standards: ANSI Standard 0001	Robert Smith, 12/03/2001
Instructions/Standards: ISO Standard 0001	Sally Thomas, 12/05/2001
Instructions/Standards: XYZ Engineering, Inc. Company Standard 0001	Sally Thomas, 12/05/2001
Limit Definition/Regulations: [NO REGULATIONS APPLY]	[UNSIGNED]
Limit Definition: Angular Measure, Open Right Conical Feature	Robert Smith, 12/02/2001
Limit Definition/Descriptive Images: Hole Countersink Any to Limits	Robert Smith, 12/03/2001
Limit Definition/Datum: Datum A - Upper Plane Surface	Sally Thomas, 12/05/2001
Limit Definition/Datum: Datum D - Hole Centeline	Robert Smith, 12/01/2001

Figure 10

Figure 12

FebrQuest Feature Specification - Countersink Angle to Axis			
Specification Detail	Instructions	Descriptive Images	Link Definition
Instruction Name	Sally Thomas, 12/02/2001 [UNSIGNED]	Signed By	1300
Pie Fabrication Setup			1302
Fabrication Method			
Post Fabrication Inspection			
Instruction Name			
Fabrication Method			
Content	<p>Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</p>		
Instruction Signature	<p>1306</p> <p>1308</p> <p>1310</p> <p>1312</p>		
<p>By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.</p>			

Figure 13

1500	
1502	1504
1506	1508
Specification Data Instructions Descriptive Images Link Definition	Link Type Link Feature Link Definition Link Feature Link Definition
Link Type	Link Feature
Angular Measure, Open Right Conical Feature	Link Definition
Units of Measure	Link Feature
DEGREES	Link Definition
Lower Limit	Link Feature
44.75	Link Definition
Nominal Value	Link Feature
45.00	Link Definition
Upper Limit	Link Feature
45.25	Link Definition
Signature	Link Feature
<input checked="" type="checkbox"/> Accept This Link Definition	Link Definition
By checking the box above you are acknowledging that the definition of the specification value link is correct and that all descriptive images and datums are properly defined and applied with respect to this link definition.	
By Robert Smith, 12/03/2001	
1514	
1516	
1518	

Figure 15

